

### REMARKS

The Examiner is thanked for the thorough review of the present application. Independent claim 11 has been amended, to include the language from dependent claim 15, which has been deleted for consistency with this amendment. In addition, claims 18 and 23 were amended, based on this amendment of independent claim 11, to properly depend from amended independent claim 11. Additionally, independent claim 31 has been amended to include limitations of claim 33, and claims 32-33 have been cancelled for consistency therewith. In addition, claim 34 has been amended, based on this amendment of independent claim 31, to properly depend from amended independent claim 31. Accordingly, no new issues are presented by these amendments. MPEP §706.07.

Claims 11-12, 16, 18, 22-23, 29-31 and 34 are currently pending and presented for examination. Applicants respectfully request reconsideration and allowance of the pending claims in view of the foregoing amendments and the following remarks.

#### Rejections of Claims 31 and 34 under Section 103:

The Examiner rejected amended claim 34 (now presented as independent claim 31) under 35 USC §103(a) as being unpatentable over Kot in view of Tokiwa. Independent claim 31 recites a drive unit assigned to the print unit, where the drive unit includes a motor, a power converter and an integrated control unit for regulating the drive unit, and where the control unit includes an integrated evaluation unit. Additionally, amended independent claim 31 recites that a correction factor is calculated by the control unit to regulate the movement of the drive unit, and the print mark measuring device and/or the register mark measuring device and/or the register measuring device are connected to the control unit by a field bus system or a serial link. Neither the Kot or Tokiwa references, alone or in combination, disclose these recitations, and accordingly, amended independent claim 31 is patentable.

The Examiner contended that Kot discloses that the adjusting devices 10-11 includes an “inherent” motor and a power converter for processing a control signal coming from a control unit 12 (Office Action, p.2). However, Kot provides that, upon actuation of the adjusting devices 10-11, a cylinder 6 and plate 5 displace in a y-direction, causing a similar displacement of the image on the web 1. These image displacements are measured by the detector 13, which transmits them to the control unit 12. (Col. 3, line 67 – Col. 4 line 17). Indeed, the adjusting

devices 10-11 do not include an “inherent” motor or power converter. Instead, other components of Kot, such as the cylinder 6 and detector 13, are used to communicate with the control unit 12. The Examiner further contended that it would have obvious to modify Kot, to integrate the adjusting devices 10-11 into the control unit 12. However, this contention would destroy the operability and/or purpose of Kot, as the detector 13 is provided to transmit image displacements to the control unit 12, based on actuations of the adjusting devices 10-11. The suggested modification of Kot would render the detector 13 meaningless, as any actuation of the adjusting devices 10-11 would be similarly experienced by the control unit 12. Accordingly, Kot fails to disclose a drive unit assigned to the print unit, where the drive unit includes a motor, a power converter and an integrated control unit for regulating the drive unit, and amended independent claim 31 is patentable for this reason alone.

The Examiner conceded that Kot failed to disclose a correction factor calculated by the control unit to regulate the movement of the drive unit, looked to Tokiwa to provide this noted deficiency, and cited to FIG. 3 and col. 16, lines 5-24 in support thereof. However, this cited portion of Tokiwa merely discusses determining a “driving speed signal” or S2, based on “the total number of pulse signal outputs generated by the encoder 6” and “the predetermined time interval at which the master control section 1 transmits control messages.” (Col. 16, lines 13-30). This disclosure merely relates to a “corrected driving reference phase signal output,” not a correction factor calculated by the control unit to regulate the movement of the drive unit, as recited in amended independent claim 31. Accordingly, amended independent claim 31 is patentable for this reason alone.

The Examiner conceded that Kot failed to disclose that the print mark measuring device and/or the register mark measuring device and/or the register measuring device are connected to the control unit by a field bus system or a serial link, looked to Tokiwa to provide this noted deficiency, and cited to col. 1, lines 51-54 in support thereof. However, this portion of Tokiwa merely discloses that the drive units in respective printing station groups are connected to a data bus. Indeed, this portion does not disclose that a print mark measuring device and/or the register mark measuring device and/or the register measuring device are connected to the control unit by a field bus system or a serial link, as recited in amended independent claim 31.

Accordingly, amended independent claim 31 is patentable. Dependent claim 34, which recites yet further distinguishing features, is also patentable, and requires no further discussion herein.

Rejections of Claims 11-12, 16, 18, 22-23, 29-30 under Section 103:

The Examiner rejected amended claim 15 (now presented as independent claim 11) under 35 USC §103(a) as being unpatentable over Kot in view of DE 19723059 and Tokiwa. Amended independent claim 11 recites that the print mark measuring device and/or the register mark measuring device and/or the register measuring device comprises an evaluation unit and is directly connected to the control unit. Amended independent claim 11 further recites that a correction factor is calculated by the control unit to regulate the movement of the drive unit. Neither the Kot, DE 19723059, nor the Tokiwa references, alone or in combination, disclose these claim recitations, and accordingly, amended independent claim 11 is patentable.

The Examiner conceded that Kot fails to disclose that the print mark measuring device and/or the register mark measuring device and/or the register measuring device comprises an evaluation unit and is directly connected to the control unit, looked to DE 19723059 to provide this noted deficiency, and cited to pages 1-2 of the Applicant's specification, in support thereof. However, pages 1-2 of Applicant's specification merely indicate that DE 19723059 discloses that a "sensor" is used to communicate "register deviations" to an input of the register controller. The Examiner contended that pages 1-2 of Applicant's specification somehow disclose that "the register marks printed on the track are picked up by sensors and evaluated in a measurement head of the sensors." (Office Action, p.5). The Examiner has misrepresented pages 1-2 of Applicant's specification, which merely discloses that a sensor in DE 19723059 communicates with a register controller, to establish register deviations. Indeed, neither Kot nor DE 19723059, alone or in combination, disclose that the print mark measuring device and/or the register mark measuring device and/or the register measuring device comprises an evaluation unit and is directly connected to the control unit. Accordingly, amended independent claim 11 is patentable.

The Examiner conceded that Kot fails to disclose that a correction factor is calculated by the control unit to regulate the movement of the drive unit, looked to Tokiwa to provide this noted deficiency, and cited to FIG. 3 and col. 16, lines 5-24 in support thereof. This portion of

Tokiwa is discussed above, and merely discusses determining a “driving speed signal” or S2, based on “the total number of pulse signal outputs generated by the encoder 6” and “the predetermined time interval at which the master control section 1 transmits control messages.” (Col. 16, lines 13-30). Indeed, this cited portion of Tokiwa fails to disclose that a correction factor is calculated by the control unit to regulate the movement of the drive unit, as recited in amended independent claim 11. Accordingly, amended independent claim 11 is patentable.

Accordingly, independent claim 11 is patentable.

Independent claim 29 includes recitations which are similar to independent claim 11, and was rejected on similar grounds as independent claim 11. Accordingly, independent claims 11 and 29 are patentable. Their dependent claims, which recite yet further distinguishing features, are also patentable, and require no further discussion herein.

#### Conclusion

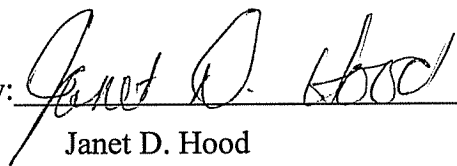
For the foregoing reasons, it is respectfully submitted that the rejections set forth in the outstanding Office Action are inapplicable to the present claims. Accordingly, Applicants respectfully request that the Examiner reconsider the rejections and timely pass the application to allowance. All correspondence should continue to be directed to our below-listed address. Please grant any extensions of time required to enter this paper. The commissioner is hereby authorized to charge any appropriate fees due in connection with this paper or credit any overpayments to Deposit Account No. 19-2179.

Respectfully submitted,

Dated:

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